

Listing of Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Please amend claim 42 as shown below.

Please cancel claims 45 and 47-53.

Claims 1-41. (Cancelled)

42. (Currently amended) A method for controlling access links between a mobile station and a network, comprising:

measuring, by the mobile station, the levels of reception from circumferential base stations; and

selecting, by the mobile station, candidate zones for diversity handover on the basis of the measurement;

transmitting, by the mobile station, a notification to the network, the notification including information that the mobile station is capable of performing diversity handover, the notification including information about the candidate zones;

detecting, by the network, a call attempt to or from the mobile station;

establishing a plurality of branches between the network and the mobile station, the establishment being triggered by the call, the plurality of branches being determined on the basis of the notification; and

commencing communication between the mobile station and the network, the communication using diversity handover with the plurality of branches.

43. (Previously presented) A method according to claim 42, wherein the plurality of branches are formed between the network and the mobile station via a single base station, thereby enabling the mobile station to commence communication using the plurality of branches.

44. (Previously presented) A method according to claim 42, wherein the plurality of branches are formed between the network and the mobile station via a plurality of base stations, thereby enabling the mobile station to commence communication using the plurality of branches.

45. (Cancelled)

46. (Previously presented) A method according to claim 42, further comprising:
transmitting, by the network, a message to the mobile station, the message including a request to establish the plurality of branches; and
commencing, by the network, the diversity handover for communicating with the mobile station.

Claims 47-99. (Cancelled)